

---

2/3/1 DIALOG(R)File 351:Derwent WPI (c) 2003 Thomson Derwent. All rts. reserv.

012448161      \*\*Image available\*\*

WPI Acc No: 1999-254269/199921

XRAM Acc No: C99-074305

**Quaternary ammonium phosphate compounds with anticorrosive  
and biocidal activity**

Patent Assignee: SK CHEM (SKCH-N); SK CHEM CO LTD (SKCH-N); CHO C (CHOC-I);  
CHOI D (CHOI-I); HA J (HAJJ-I); HAHN S (HAHN-I); PARK J (PARK-I); PARK K  
(PARK-I); SHIN J (SHIN-I); YOO K (YOOK-I)

Inventor: CHO C M; CHOI D J; HA J M; HAHN S J; PARK J W; PARK K M; SHIN J J  
; YOO K H; HAHN J M; HAN S J; PARK G M; YOO G H; CHO C; CHOI D; HA J; HAHN  
S; PARK J; PARK K; SHIN J; YOO K

Number of Countries: 006 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9912889	A1	19990318	WO 98KR99	A	19980424	199921 B
KR 99025064	A	19990406	KR 9746517	A	19970910	200025
EP 1012134	A1	20000628	EP 98917765	A	19980424	200035
			WO 98KR99	A	19980424	
JP 2001515880	W	20010925	WO 98KR99	A	19980424	200170
			JP 2000510702	A	19980424	
US 20020065251	A1	20020530	WO 98KR99	A	19980424	200240
			US 2000508382	A	20000612	
US 6399827	B1	20020604	WO 98KR99	A	19980424	200242
			US 2000508382	A	20000612	
KR 310169	B	20011215	KR 9746517	A	19970910	200249
EP 1012134	B1	20030305	EP 98917765	A	19980424	200318
			WO 98KR99	A	19980424	
DE 69811917	E	20030410	DE 611917	A	19980424	200332
			EP 98917765	A	19980424	
			WO 98KR99	A	19980424	
				A	19980424	

Priority Applications (No Type Date): KR 9746517 A 19970910

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 9912889	A1	E	C07C-211/63	
			Designated States (National): JP US	
			Designated States (Regional): DE FR GB	
KR 99025064	A		C23C-022/07	
EP 1012134	A1	E	C07C-211/63	Based on patent WO 9912889
			Designated States (Regional): DE FR GB	
JP 2001515880	W	21	C07C-217/08	Based on patent WO 9912889
US 20020065251	A1		A01N-057/00	
US 6399827	B1		C07C-211/62	Based on patent WO 9912889
KR 310169	B		C23C-022/07	Previous Publ. patent KR 99025064
EP 1012134	B1	E	C07C-211/63	Based on patent WO 9912889
			Designated States (Regional): DE FR GB	
DE 69811917	E		C07C-211/63	Based on patent EP 1012134
				Based on patent WO 9912889

Derwent WPI (Dialog® File 351): (c) 2003 Thomson Derwent. All rights reserved.

---